## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"20020186182"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 20:22
L2	3	"20020186182" and pixel \$1 and voltage\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 20:22
L3	2	"6710760".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 20:30
L4	2	"6629138".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 20:32
L5	2	"6394870".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 20:33
L7	0	"20020186182" and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:21
L8	5	("2002/0186182").URPN.	USPAT	OR	OFF	2008/06/20 21:21
L9	0	("2002/0186182").URPN. and display\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 same gray\$6 same scal\$6 and writ\$6	USPAT	OR	OFF	2008/06/20 21:22

L10	19	("4139278"   "4435047"   "4832454"   "5251048"   "5437811"   "5453863"   "5503952"   "5644330"   "5659331"   "5695682"   "5748277"   "6118439"   "6154190"   "6172720"   "6198466"   "6280840"   "6388650"   "6459418"   "6717561").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:22
L11	O	("4139278"   "4435047"   "4832454"   "5251048"   "5437811"   "5453863"   "5503952"   "5644330"   "5659331"   "5695682"   "5748277"   "6118439"   "6154190"   "6172720"   "6198466"   "6280840"   "6388650"   "6459418"   "6717561").PN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:22
L12	0	("7116287").URPN.	USPAT	OR	OFF	2008/06/20 21:22
L13	0	"6710760".pn. and display \$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage\$1 same level\$1 same gray\$6 same scal\$6 and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:23
L14	14	("4435047"   "5251048"   "5437811"   "5453863"   "5644330"   "5695682"   "5748277"   "5867238"   "5912716"   "6002383"   "6133895"   "6268840"   "6278429"   "6459418"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:23

L15	0	("4435047"   "5251048"   "5437811"   "5453863"   "5644330"   "5695682"   "5748277"   "5867238"   "5912716"   "6002383"   "6133895"   "6268840"   "6278429"   "6459418"). PN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage\$1 same level \$1 same gray\$6 same scal \$6 and writ\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:23
L16	3	("6710760").URPN.	USPAT	OR	OFF	2008/06/20 21:24
L17	0	("6710760"). URPN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	USPAT	OR	OFF	2008/06/20 21:24
L18	33	("3848193"   "4287592"   "4429385"   "4815030"   "4868866"   "4974149"   "5105184"   "5220657"   "5230048"   "5339239"   "5347632"   "5515098"   "5528490"   "5557608"   "5577266"   "5579537"   "5617565"   "5675510"   "5687167"   "5727129"   "5734909"   "5742772"   "5751956"   "5754774"   "5764908"   "5796952"   "5799002"   "5802292"   "5826031"   "5878223"   "5978841"   "6098096"   "6112186").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:24
L19	0	("3848193"   "4287592"   "4429385"   "4815030"   "4868866"   "4974149"   "5105184"   "5220657"   "5230048"   "5339239"   "5347632"   "5515098"   "5528490"   "5557608"   "5577266"   "5579537"   "5617565"   "5675510"   "5687167"   "5727129"   "5734909"   "5742772"   "5751956"   "5754774"   "5764908"   "5796952"   "5799002"   "5802292"   "5826031"   "5878223"   "5978841"   "6098096"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:24

		"6112186").PN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6				
L20	35	("6629138").URPN.	USPAT	OR	OFF	2008/06/20 21:25
L21	0	("6629138").URPN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	USPAT	OR	OFF	2008/06/20 21:25
L22	0		US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:25
L23	8	("3617374"   "4435047"   "5437811"   "5695682"   "5808412"   "6013982"   "6236442"   "6259198"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:25
L24	0	("3617374"   "4435047"   "5437811"   "5695682"   "5808412"   "6013982"   "6236442"   "6259198"). PN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage\$1 same level\$1 same gray\$6 same scal\$6 and writ\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:26
L25	0	"6394870".pn. and display \$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage\$1 same level\$1 same gray\$6 same scal\$6 and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:26
L26	5	("6394870").URPN.	USPAT	OR	OFF	2008/06/20 21:26
L27	0	("6394870").URPN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	USPAT	OR	OFF	2008/06/20 21:26

L28	0	("2005/0253875").URPN.	USPAT	OR	OFF	2008/06/20 21:27
L29	0	("2004/0145549").URPN.	USPAT	OR	OFF	2008/06/20 21:27
L30	1	("2004/0125056").URPN.	USPAT	OR	OFF	2008/06/20 21:27
L31	0	("2004/0125056").URPN. and display\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 same gray\$6 same scal\$6 and writ\$6	USPAT	OR	OFF	2008/06/20 21:27
L32	2	("2003/0206147").URPN.	USPAT	OR	OFF	2008/06/20 21:27
L33	0	("2003/0206147").URPN. and display\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 same gray\$6 same scal\$6 and writ\$6	USPAT	OR	OFF	2008/06/20 21:27
L34	10	("5251048"   "5437811"   "5592190"   "5644330"   "5695682"   "5703615"   "5748277"   "5838293"   "6154190"   "6268840"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:28
L35	0	("5251048"   "5437811"   "5592190"   "5644330"   "5695682"   "5703615"   "5748277"   "5838293"   "6154190"   "6268840"). PN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage\$1 same level \$1 same gray\$6 same scal \$6 and writ\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:28
L36	0	("6924783").URPN.	USPAT	OR	OFF	2008/06/20 21:28
L38	14	("20020186182"   "20030122758"   "20030169221"   "20040125056"   "4435047"   "5251048"   "5437811"   "5503952"   "5644330"   "5748277"   "6154190"   "6198466"   "6268840"   "6518944"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:28

L39	0	("20020186182"   "20030122758"   "20030169221"   "20040125056"   "4435047"   "5251048"   "5437811"   "5503952"   "5644330"   "5748277"   "6154190"   "6198466"   "6268840"   "6518944"). PN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage\$1 same level \$1 same gray\$6 same scal \$6 and writ\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:29
L40	0	("6894668").URPN.	USPAT	OR	OFF	2008/06/20 21:29
L41	116	("20010015723"   "4435047"   "5251048"   "5437811"   "5503952"   "5644330"   "5661533"   "5695682"   "5748277"   "5933203"   "6133895"   "6154190"   "6204835"   "6268839"   "6268840"   "6414669").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:29
L42	0	("20010015723"   "4435047"   "5251048"   "5437811"   "5503952"   "5644330"   "5661533"   "5695682"   "5748277"   "5933203"   "6133895"   "6154190"   "6204835"   "6268839"   "6268840"   "6414669"). PN. and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:29
L43	0	("6885357").URPN.	USPAT	OR	OFF	2008/06/20 21:29
L44	3	"20050083284"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:31
L45	2	"20060232351"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:31

L46	0	"20050083284" and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:32
L47	0		US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:32
L48	3	("2005/0083284").URPN.	USPAT	OR	OFF	2008/06/20 21:32
L49	0	("2005/0083284").URPN. and display\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 same gray\$6 same scal\$6 and writ\$6	USPAT	OR	OFF	2008/06/20 21:32
L50	44	("4042854"   "4062626"   "4094582"   "4112333"   "4223308"   "4404555"   "4717244"   "4818981"   "4921334"   "5251048"   "5379051"   "5384067"   "5453863"   "5570216"   "5583677"   "5587819"   "5608418"   "5644330"   "5677704"   "5695682"   "5712651"   "5730900"   "5748277"   "5766509"   "5793347"   "5815135"   "5844537"   "5917465"   "5933203"   "5940060"   "5977940"   "5986724"   "6046725"   "6054974"   "6091389"   "6094244"   "6133895"   "6268840"   "6288722"   "6348910"   "6396465"   "6816138"   "6819310"   "6850217"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:33

L51	0	("4042854"   "4062626"   "4094582"   "4112333"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/20 21:33
		"4223308"   "4404555"   "4717244"   "4818981"   "4921334"   "5251048"				
		"5379051"   "5384067"				
		"5453863"   "5570216"				
		"5583677"   "5587819"				
		"5608418"   "5644330"				
		"5677704"   "5695682"				
		"5712651"   "5730900"				
		"5748277"   "5766509"				
		"5793347"   "5815135"				
		"5844537"   "5917465"   "5933203"   "5940060"				
		"5977940"   "5986724"				
		"6046725"   "6054974"				
		"6091389"   "6094244"				
		"6133895"   "6268840"				
		"6288722"   "6348910"				
		"6396465"   "6816138"				
		"6819310"   "6850217").				
		PN. and display\$6 and				
		control\$6 same duty same cycle\$1 same pixel\$1				
		same voltage\$1 same level				
		\$1 same gray\$6 same scal				
		\$6 and writ\$6				
L52	0	("7317437").URPN.	USPAT	OR	OFF	2008/06/20 21:33
L53	2	"20060232531"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:34
L54	0	("2006/0232531").URPN.	USPAT	OR	OFF	2008/06/20 21:34
L55	0	"20060232531" and display\$6 and control\$6 same duty same cycle\$1 same pixel\$1 same voltage \$1 same level\$1 same gray \$6 same scal\$6 and writ \$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 21:35
S1	22	display\$6 and voltage\$1 same level\$1 and "O" and "+U" and -U	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 21:57

83	0	display\$6 and voltage\$1 same level\$1 and "O" and "+U" and "-U" and voltage \$1 same level\$1 same respective\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 21:58
S4	0	display\$6 and voltage\$1 same level\$1 and "O" and "+U" and "-U" and voltage \$1 same level\$1 same duty same cycle\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 21:59
S5	12228	display\$6 and voltage\$1 same level\$1 and voltage \$1 same level\$1 same respective\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 21:59
S6	12	display\$6 and voltage\$1 same level\$1 and voltage \$1 same level\$1 same respective\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 22:00
S7	2	display\$6 and voltage\$1 same level\$1 and voltage \$1 same level\$1 same respective\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 and determine\$6 and gray \$6 same level\$1 and average\$6 same voltage \$1 same appl\$6 and during same writ\$6 same cycle\$1 same zero	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 22:04
S8	2	display\$6 and voltage\$1 same level\$1 and voltage \$1 same level\$1 same respective\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 and voltage\$1 same level \$1 same writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 22:06
S9	6	display\$6 and voltage\$1 same level\$1 and voltage \$1 same level\$1 same respective\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 22:07

S10	2	display\$6 and voltage\$1 same level\$1 and voltage \$1 same level\$1 same respective\$6 and control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 and writ\$6 same pixel\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/19 22:09
S11	22	display\$6 and voltage\$1 same level\$1 and "O" and "+U" and "-U"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 12:41
S12	1	display\$6 and voltage\$1 same level\$1 and "O" and "+U" and "-U" and "345"/ \$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 12:50
S13	16522	display\$6 and voltage\$1 same level\$1 and "345"/\$. ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 12:50
S14	26	display\$6 and voltage\$1 same level\$1 same control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 12:51
S15	2	"20060232531"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 12:57
S16	0	"20060232531" and duty same cycle\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:02
S17	0	"20060232531" and duty and cycle\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:02
S18	1	"20060232531" and cycle \$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:02

S19	14	display\$6 and voltage\$1 same level\$1 same control \$6 same duty same cycle \$1 same pixel\$1 same voltage\$1 same level\$1 and "345"/\$.ccls. and writ \$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:31
S20	3	display\$6 same cholesteric and voltage\$1 same level \$1 same control\$6 same duty same cycle\$1 same pixel\$1 same voltage\$1 same level\$1 and "345"/\$. ccls. and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:34
S21	0	display\$6 and voltage\$1 same level\$1 same bipolar same control\$6 same duty same cycle\$1 same pixel \$1 same voltage\$1 same level\$1 and "345"/\$.ccls. and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:42
S22	2	display\$6 same cholesteric and voltage\$1 same level \$1 same (bi-polar or bipolar or bipolar or bi same polar) and control\$6 same duty same cycle\$1 same pixel \$1 same voltage\$1 same level\$1 and "345"/\$.ccls. and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:44
S23	7	display\$6 same cholesteric and voltage\$1 same level \$1 same (bi-polar or bipolar or bipolar or bipolar or bi same polar) and control\$6 and duty same cycle\$1 and pixel\$1 same voltage\$1 same level \$1 and "345"/\$.ccls. and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 13:44
S24	0	display\$6 same cholesteric and voltage\$1 same level \$1 same (bi-polar or bipolar or bipolar or bi same polar) and control\$6 and duty same cycle\$1 and pixel\$1 same voltage\$1 same level \$1 and "345"/\$.ccls. and writ\$6 and average\$6 same voltage\$1 same apply\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 15:45

\$25	2	display\$6 same cholesteric and voltage\$1 same level \$1 same (bi-polar or bipolar or bipolar or bi same polar) and control\$6 and duty same cycle\$1 and pixel\$1 same voltage\$1 same level \$1 and "345"/\$.ccls. and (writ\$6 and average\$6 same voltage\$1 and apply \$6 and zero)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 15:45
S26	2	display\$6 same cholesteric and voltage\$1 same level \$1 same (bi-polar or bipolar or bipolar or bi same polar) and control\$6 and duty same cycle\$1 and pixel\$1 same voltage\$1 same level \$1 and "345"/\$.ccls. and (writ\$6 and voltage\$1 and zero and average\$6)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 15:58
S27	0	"20060232531" and cycle \$1 and pixel\$1 same volatge\$1 same level\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 17:09
S28	2	"20030034945"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 17:31
S29	1	"20030034945" and pixel \$1 and voltage\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 17:34
S30	1	display\$6 same cholesteric and voltage\$1 same level \$1 same (bi-polar or bipolar or bipolar or bi same polar) and control\$6 and duty same cycle\$1 and pixel\$1 same voltage\$1 same level \$1 and gray\$6 same scal \$6 and "345"/\$.ccls. and writ\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 17:47

S31	5	same level\$1 same control \$6 same duty same cycle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 17:48
S32	0	same level\$1 same control \$6 same duty same cycle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 17:49
S33	9	same level\$1 same control	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/20 17:49

6/20/2008 9:35:57 PM

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